MANAGEMENT OF MEMORY FOR PROVIDING DATA STORAGE ACROSS A REBOOT

ABSTRACT

Embodiments of a memory management system for use in a circuit pack or circuit card such as in a node in an optical network are described. The memory management system comprises memory that provides persistent storage over a reboot and a memory manager for directly controlling access to the memory. The memory manager processes requests received from the one or more applications executing on the card for storage of a set of data. The request indicates during which type of reboot the data is to be received and may also indicate a particular state during a reboot in which the data is to be received. The manager responds to a reboot of the card by providing the set of data from the reboot persistent memory to the application during the reboot.